

### VAPPRO 842

<b>Function:</b> Vapour Corrosion Inhibitor (VCI)	<b>Application:</b> Hydrostatic Testing	<b>Form:</b> Powder
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#### DESCRIPTION

### VAPPRO 842 HYDROTEST VCI POWDER ENHANCES THE DETECTION OF LEAKS DURING HYDROTESTING



**VAPPRO 842** VCI powder with color indicator is specially developed to inhibit both ferrous and non-ferrous metals from corrosion after hydrotest. Its bright conspicuous color enhances the detection of leaks during hydrotesting. It eliminates the formation of corrosion due to residual water after draining hydrotest water.

**VAPPRO 842** eliminates the need to force dry the piping system after pressure testing and flushing. It reduces downtime caused by formation of corrosion in piping systems which can result in seized valves, blocked pipework and potential damage to downstream processing equipment.

#### FEATURES

- Provides effective corrosion protection against chloride and other dissolved halogens
- Non-toxic
- Easy application
- Multi-metal protection
- Does not contain chromates and heavy metals
- Does not contain ODS (Ozone Depleting Substances)
- Little or no surface preparation is required
- Protected products can be shipped without removal of water or powder for dry corrosion protection of metals
- Nitrate free
- Biodegradable
- Environmental friendly
- Eliminates the formation of corrosion due to residual water



#### APPLICATIONS

- Hydroblasting and hydrostatic testing
- Heat exchangers
- Tanks, casings, pumps, and valves
- Tubulars, structures, and boiler pipework
- Process pipe work and vessels

## PHYSICAL PROPERTIES

Form	Powder
Colour	White and luminous yellow
Solubility in water	Appreciable (600 grams/litre at 20°C)
Density	2.2 grams / cm <sup>3</sup> at 20°C
Odour	Odourless
Special Labelling	None
pH	7.5 (1% aqueous solution)

## PROCEDURE FOR INCORPORATING 842 VCI POWER INTO HYDROTEST WATER

- Calculate the volume of the system to be hydrostatically pressure tested
- Add **VAPPRO 842** VCI Powder to the test water at a rate of 1% to 1.5% by weight depending on the humidity and salinity of the environment
- Agitate the mixture for even dispersion
- Proceed with pressure testing
- Drain down system and seal all vents

## PROCEDURE FOR DRY CORROSION PROTECTION OF TUBULARS

- Apply powder by dusting, fogging or sprinkling
- After application seal all vents
- Fogging can be achieved by using a low pressure air hose and sandblast cup
- For powder application use 10 to 20 grams of **VAPPRO 842** per cubic foot (28 litres) of enclosed space. The dosage can be increased to 30 grams for more severe conditions.

## DIRECTIONS FOR REMOVAL

When required **VAPPRO 842** in powder form can be easily removed by using a low pressure air gun or by rinsing with water

## PACKAGING

- 45.5kg drum (100.3 lbs)



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